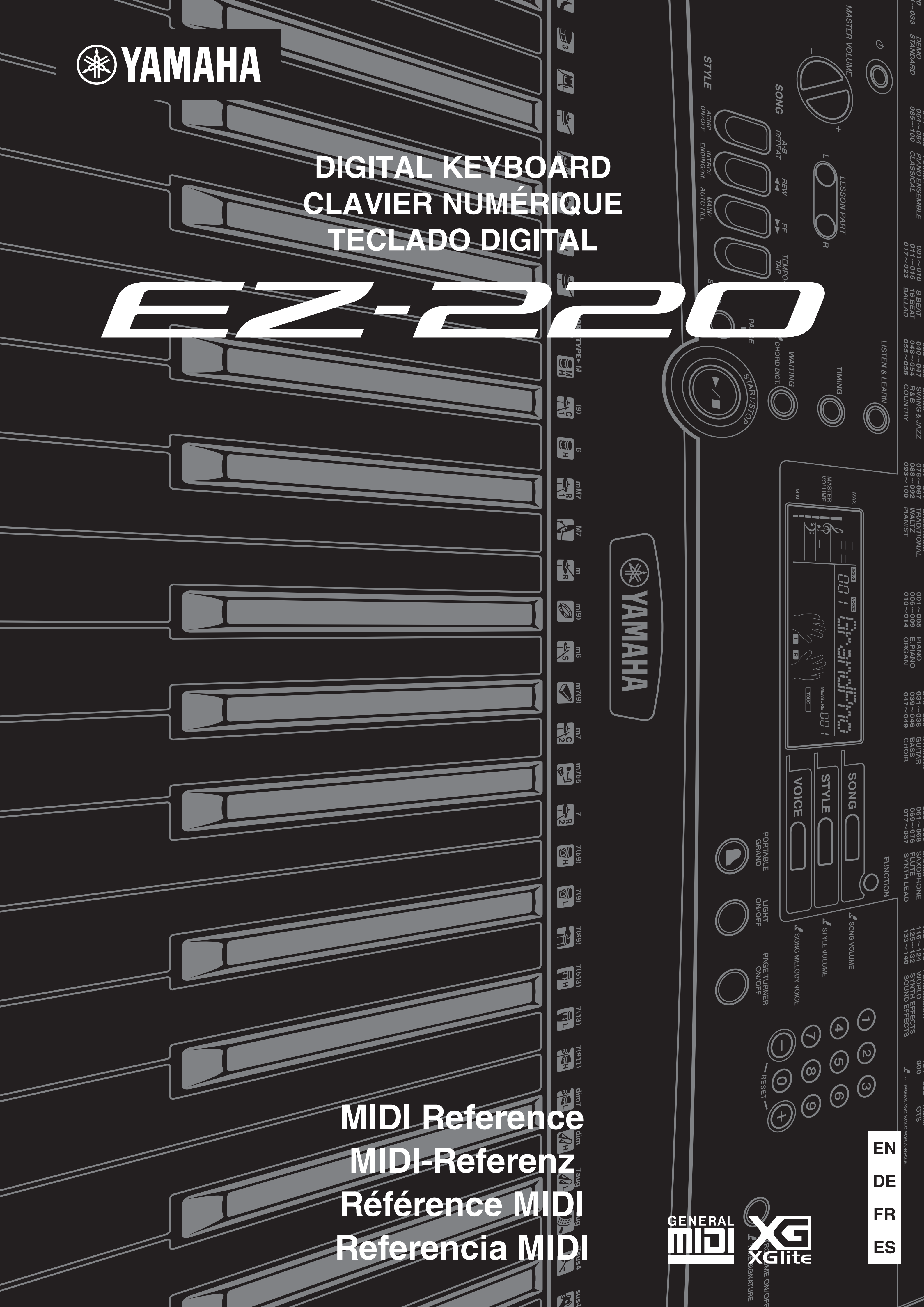


YAMAHA

DIGITAL KEYBOARD
CLAVIER NUMÉRIQUE
TECLADO DIGITAL

EZ-220

MIDI Reference
MIDI-Referenz
Référence MIDI
Referencia MIDI

GENERAL MIDI

XG XGlite

EN
DE
FR
ES

MIDI Implementation Chart / MIDI-Implementationstabelle / MIDI Implementation Chart / Gráfico de implementación MIDI

YAMAHA   Date:20-Feb-2012
Model EZ-220   MIDI Implementation Chart   Version:1.0

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1 - 16	1 - 16	
	Changed	x	x	
Mode	Default	3	3	
	Messages	x	x	
	Altered	**************	x	
Note Number	: True voice	0 - 127	0 - 127	
		**************	0 - 127	
Velocity	Note ON	o 9nH,v=1-127	o 9nH,v=1-127	
	Note OFF	x	x	
After Touch	Key's	x	x	
	Ch's	x	x	
Pitch Bend		x	o	
Control Change	0,32	o	o	Bank Select
	1	x *1	o	Modulation wheel
	6	x *1	o	Data Entry(MSB)
	38	x *1	o	Data Entry(LSB)
	7,10	o	o	
	11	x *1	o	Expression
	64	o	o	Sustain
	71,73,74	x *1	o	
	72	o	o	Release Time
	84	x *1	o	Portamento Cntrl
	91,93	o	o	Effect 1,3 Depth
	96,97	x	o	RPN Inc,Dec
	100,101	x	o	RPN LSB,MSB
Prog Change	: True #	o 0 - 127	o 0 - 127	
		**************		
System Exclusive		o	o	
Common	: Song Pos.	x	x	
	: Song Sel.	x	x	
	: Tune	x	x	
System Real Time	: Clock	o	o	
	: Commands	o	o	
Aux Messages	:All Sound OFF	x	o(120,126,127)	
	:Reset All Cntrls	x	o(121)	
	:Local ON/OFF	x	o(122)	
	:All Notes OFF	x	o(123-125)	
	:Active Sense	o	o	
	:Reset	x	x	

*1 Refer to #2 on page 3.

Mode 1 : OMNI ON , POLY   Mode 2 : OMNI ON ,MONO   o : Yes
Mode 3 : OMNI OFF, POLY   Mode 4 : OMNI OFF,MONO   x : No

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

NOTE:

1 By default (factory settings) the instrument ordinarily functions as a 16-channel multi-timbral tone generator, and incoming data does not affect the panel voices or panel settings. However, the MIDI messages listed below do affect the panel voices, auto accompaniment, and songs.
  - MIDI Master Tuning
  - System exclusive messages for changing the Reverb Type and Chorus Type.

2 Messages for these control change numbers cannot be transmitted from the instrument itself. However, they may be transmitted when playing the accompaniment, song or using the Harmony effect.

3 Exclusive
<GM System ON>
F0H, 7EH, 7FH, 09H, 01H, F7H
  - This message automatically restores all default settings for the instrument, with the exception of MIDI Master Tuning.

<MIDI Master Volume>
F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
  - This message allows the volume of all channels to be changed simultaneously (Universal System Exclusive).
  - The values of “mm” is used for MIDI Master Volume. (Values for “ll” are ignored.)

<MIDI Master Tuning>
F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
  - This message simultaneously changes the tuning value of all channels.
  - The values of “mm” and “ll” are used for MIDI Master Tuning.
  - The default value of “mm” and “ll” are 08H and 00H, respectively. Any values can be used for “n” and “cc.”

<Reverb Type>
F0H, 43H, 1nH, 4CH, 02H, 01H, 00H, mmH, llH, F7H
  - mm : Reverb Type MSB
  - ll : Reverb Type LSB

Refer to the Effect Map for details.

<Chorus Type>
F0H, 43H, 1nH, 4CH, 02H, 01H, 20H, mmH, llH, F7H
  - mm : Chorus Type MSB
  - ll : Chorus Type LSB

Refer to the Effect Map for details.

4 When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted. When the clock is set to External, both FAH (accompaniment start) and FCH (accompaniment stop) are recognized.

5 Local ON/OFF
<Local ON> Bn, 7A, 7F
<Local OFF> Bn, 7A, 00
Value for “n” is ignored.

Effect map

* When a Type LSB value is received that corresponds to no effect type, a value corresponding to the effect type (coming the closest to the specified value) is automatically set.
* The numbers in parentheses in front of the Effect Type names correspond to the number indicated in the display.

REVERB

TYPE MSB	TYPE LSB								
	0	1	2	8	16	17	18	19	20
0	No Effect								
1	(01)Hall1				(02)Hall2	(03)Hall3			
2	Room					(04)Room1		(05)Room2	
3	Stage				(06)Stage1	(07)Stage2			
4	Plate				(08)Plate1	(09)Plate2			
5...127	No Effect								

CHORUS

TYPE MSB	TYPE LSB								
	0	1	2	8	16	17	18	19	20
0...63	No Effect								
64	Thru								
65	Chorus		(2)Chorus2						
66	Celeste					(1)Chorus1			
67	Flanger			(3)Flanger1		(4)Flanger2			
68...127	No Effect								

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